

ATTACHMENT J8

Cheyenne MAP (ANG) Electric
Distribution System

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J8 Cheyenne MAP (ANG) Electric Distribution System

J8.1 Cheyenne MAP (ANG) Overview

The 153rd Airlift Wing (AW) of the Wyoming Air National Guard occupies approximately 77 acres of leased land on the City of Cheyenne Municipal Airport (MAP), located two miles north of downtown Cheyenne, Wyoming. The mission of the 153rd AW is to deliver troops and cargo, provide aeromedical evacuation, and to airlift passengers and cargo when required. The unit currently flies the C-130H3 Lockheed "Hercules" transport plane. The 153rd AW occupies five administrative and 18 industrial buildings totaling approximately 351,000 square feet with 180 full-time personnel. A unit training drill is conducted once a month and results in a surge of up to a total of 1200 personnel.

J8.2 Electric Distribution System Description

J8.2.1 Electric Distribution System Fixed Equipment Inventory

The Cheyenne MAP (ANG) electric distribution system consists of all appurtenances physically connected to the distribution system from the point in which the distribution system enters the Installation and Government ownership currently starts to the point of demarcation, defined by the Right of Way. The system may include, but is not limited to, transformers, circuits, switches, and manholes. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the distribution system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the electric distribution system privatization are:

- Airfield Lighting

- Parking Lot Lights

- Street Lights

- Ballfield Lights

The electrical lines servicing Buildings 12, 14, and 21 through 27 are already privatized and therefore, excluded from this contract.

- Electric meters owned by Cheyenne Light, Fuel and Power

J8.2.1.1 Description

Power is provided by Cheyenne Light, Fuel and Power and enters the base and is metered at a single location. It is delivered and distributed at 13.2 kilovolts (kV) through an underground branched

distribution system that contains approximately 2,400 linear feet of 3-phase underground circuits rated at 15 kV. The circuits are buried in conduit at an average depth of two feet and are marked with tracer wire. Multiple branches feed twelve three phase pad mounted transformers ranging from 75 to 2,000 kVA. The system includes two pre-cast vaults, four sectionalizing cabinets/boxes and three switches. Base personnel indicate the capacity of the current system is adequate for present and future needs.

J8.2.1.2 Inventory

Table 1 provides a general listing of the major electric distribution system fixed assets for the Cheyenne MAP (ANG) electric distribution system included in the sale.

TABLE 1
Fixed Inventory
Electric Distribution System Cheyenne MAP (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
Underground Circuits	AWG			
3 ph, 4w, 15000V, in 4 inch PVC conduit	#1	2385	LF	1990
Transformers	Nom kVA			
3 ph, oil filled, pad mounted	75	3	EA	1990
3 ph, oil filled, pad mounted	150	4	EA	1990
3 ph, oil filled, pad mounted	225	1	EA	1990
3 ph, oil filled, pad mounted	300	2	EA	1990
3 ph, oil filled, pad mounted	1500	1	EA	1990
3 ph, oil filled, pad mounted	2000	1	EA	1990
Switches	Type			
	2-way	2	EA	1990
	3-way	1	EA	1990
Sectionalizing Cabinets/Boxes	(size)			
	6 ft x 3 ft x 3 ft	4	EA	1994
Manhole	size			
Pre-cast concrete	4 ft x 4 ft x 4 ft	2	EA	1990
Notes:				
AWG = American Wire Gauge				
EA = each				
LF = linear feet				
Nom kVA = nominal kilovolt -amperes				
ph – phase				
V = volts				
PVC = Polyvinyl Chloride				
FT = feet				
w = wire				

J8.2.2 Electric Distribution System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and Table 3 lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2
Spare Parts
Electric Distribution System Cheyenne MAP (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3
Specialized Vehicles and Tools
Electric Distribution System Cheyenne MAP (ANG)

Description	Quantity	Location	Maker
None			

J8.2.3 Electric Distribution System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4
Manuals, Drawings, and Records
Electric Distribution System Cheyenne MAP (ANG)

Qty	Description	Remarks
1	Electrical Utility System Maps (electronic copy)	AutoCAD Release Version 2000

J8.3 Specific Service Requirements

The service requirements for the Cheyenne MAP (ANG) electric distribution system are as defined in the Section C Description/Specifications/Work Statement.

J8.4 Current Service Arrangement

- Current Provider: Cheyenne Light, Fuel and Power
- Average Annual Usage (2000): 3,470,000 kWh
- Maximum Monthly Usage (Dec): 366,000 kWh
- Minimum Monthly Usage (Sep): 249,000 kWh
- Peak Demand: 578 kW

J8.5 Secondary Metering

J8.5.1 Existing Secondary Meters

Table 5 provides a listing of the existing (at the time of contract award) secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings for all secondary meters IAW Paragraph C.3 and J8.6 below.

TABLE 5
Existing Secondary Meters
Electric Distribution System Cheyenne MAP (ANG)

Meter Location	Meter Description
None. All secondary meters are owned by Cheyenne Light Fuel and Power	

J8.5.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. New secondary meters shall be installed IAW Paragraph C.13 Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3 and J8.6 below.

TABLE 6
New Secondary Meters
Electric Distribution System Cheyenne MAP (ANG)

Meter Location	Meter Description
None	

J8.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW paragraph G.2). The Contractor’s monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.
2. Outage Report. The Contractor’s monthly outage report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.
3. Meter Reading Report. The monthly meter reading report shall show the current and previous month readings for all secondary meters (if any). The Contractor’s monthly meter reading report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Meter reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to the person identified at time of contract award.

4. System Efficiency Report. If required by Paragraph C.3, the Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to the person identified at time of contract award.

J8.7 Energy Saving Projects

IAW Paragraph C.3 Requirement, the following projects have been implemented on the distribution system by the Government for energy conservation purposes: None.

J8.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Cheyenne MAP (ANG) boundaries.

J8.9 Off-Installation Sites

No off-installation sites are included in the sale of the Cheyenne MAP (ANG) electric distribution system.

J8.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 7** provides a listing of service connections and disconnections required upon transfer.

TABLE 7
Service Connections and Disconnections
Electric Distribution System Cheyenne MAP (ANG)

Location	Description
None	

J8.11 Government Recognized System Deficiencies

Table 8 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Cheyenne MAP (ANG) electric distribution system. If the system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewals and Replacements Plan process and will be recovered through Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

TABLE 8
System Deficiencies
Electric Distribution System Cheyenne MAP (ANG)

Project Location	Project Description
None	